Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/20/2021 10:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124351	-1	1.27	124291	1.28
Blue	F	SSC	125000	123599	-2	2.68	123904	2.54
Blue	E	FITC	13131	12749	-3	2.36	294	15.11
Blue	D	PE	24112	23812	-2	1.77	545	10.48
Blue	B	PerCP-Cy5-5	31295	30471	-3	3.16	1010	14.05
Blue	A	PE-Cy7	19939	19748	-1	5.17	527	28.53
Red	C	APC	42122	41446	-2	2.89	1739	11.48
Red	A	APC-Cy7	22340	21802	-3	3.37	816	11.56
Violet	B	V450	7410	7069	-5	3.42	436	11.99
Violet	A	V500	28118	26685	-6	2.97	668	9.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22833	1.58	562	-7	N/A	N/A	Pass
Blue	F	SSC	57695	1.12	514	2	N/A	N/A	Pass
Blue	E	FITC	54	54.62	482	-5	0.0471	162	Pass
Blue	D	PE	114	37.06	485	-3	0.4890	379	Pass
Blue	B	PerCP-Cy5-5	188	34.82	580	-6	0.0217	80	Pass
Blue	A	PE-Cy7	105	66.12	623	-5	0.0229	0	Pass
Red	C	APC	401	23.96	578	2	0.0270	149	Pass
Red	A	APC-Cy7	182	26.87	552	1	0.0064	829	Pass
Violet	B	V450	60	59.78	460	7	0.0628	2012	Pass
Violet	A	V500	97	32.95	471	6	0.0271	749	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.54	-31.32	0.98
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.49	13.60 - 20.40	N/A	N/A	29.73	29.99	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 16233

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments